

Examiner-Initiated Interview Summary	Application No. 09/882,805	Applicant(s) GASCOYNE ET AL.	
	Examiner Jeffrey T. Barton	Art Unit 1753	

All Participants:

(1) Jeffrey T. Barton.

(2) Michael C. Barrett.

Date of Interview: 24 October 2005

Type of Interview:
☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)
Exhibit Shown or Demonstrated: ☒ Yes ☐ No
 If Yes, provide a brief description: Proposed amendment.

Part I.
 Rejection(s) discussed:

 Claims discussed:

 Prior art documents discussed:

Status of Application: Pending

(3) _____

(4) _____

Time: 5:30 pm

Part II.
 SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:
See Continuation Sheet

Part III.
☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.
☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

(Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: The Examiner called Mr. Barrett to request submission of a proposed amendment to the specification that would provide a "Brief Description of the Drawings" section, as is required for issue. Mr. Barrett sent an email with a proposed amendment (see attached), which is the basis for the Examiner's Amendment given here.

Barton, Jeffrey T.

From: Barrett, Michael [mbarrett@fulbright.com]
Sent: Monday, October 24, 2005 5:09 PM
To: Barton, Jeffrey T.
Subject: S/N 09/882,805; Atty. Docket UTXC:625US

Re: S/N 09/882,805
Attorney Docket No: UTXC:625US

Dear Examiner Barton,
You called me late last week regarding the above-referenced file and requested that Applicant propose a brief description of drawings that could be entered by way of Examiner amendment to bring this case into condition for allowance. Thank you for allowing us to handle this via email. Applicant proposes the following for the brief description of drawings:

Brief Description of Drawings

FIG. 1 shows an electrode array including a conductor patterned on a non-conducting substrate, in accordance with embodiments of this disclosure.

FIG. 2A shows MAP and DEP forces acting on a particle and a hydrodynamic flow profile, in accordance with embodiments of this disclosure.

FIG. 2B shows the movement of particles to characteristic heights, in accordance with embodiments of this disclosure.

FIGS. 3A-3E show exemplary magnetrode arrays for magnetophoretic manipulations, in accordance with embodiments of this disclosure.

FIGS. 4A-4C show exemplary electrode and magnetrode combinations suitable for simultaneously providing magnetic and electric fields, in accordance with embodiments of this disclosure.

FIGS. 5A-5B show exemplary electrical excitation schemes, in accordance with embodiments of this disclosure.

FIGS. 6A-6C show exemplary magnetic field excitation schemes, in accordance with embodiments of this disclosure.

FIG. 7A shows magnetic materials that provide a magnetic field in a flow channel without the need for an external magnet, in accordance with embodiments of this disclosure.

FIG. 7B shows how an array of magnetrodes may be used to introduce inhomogeneity in a magnetic field derived from magnetic poles placed outside the chamber, without the need for a magnetrode pathway to the array, in accordance with embodiments of this disclosure.

FIG. 8 shows an exemplary embodiment of a separator using the dielectric and magnetic separation principle for batch mode separation, in accordance with embodiments of this disclosure.

FIGS. 9A-9B show continuous mode separation, in accordance with embodiments of this disclosure. The outlet port arrangement comprises multiple ports configured so as to collect bands of fluid that travel through the flow chamber at certain defined distances from the electrode and magnetrode elements and from the walls of the flow chamber.

Support for these descriptions may be found throughout the specification and particularly where each figure is called out within the text.

Please contact me if you have any questions or if you would like to discuss this file further. Thank you again.

Best regards,

Michael C. Barrett

10/24/05

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Attorney for Applicant

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